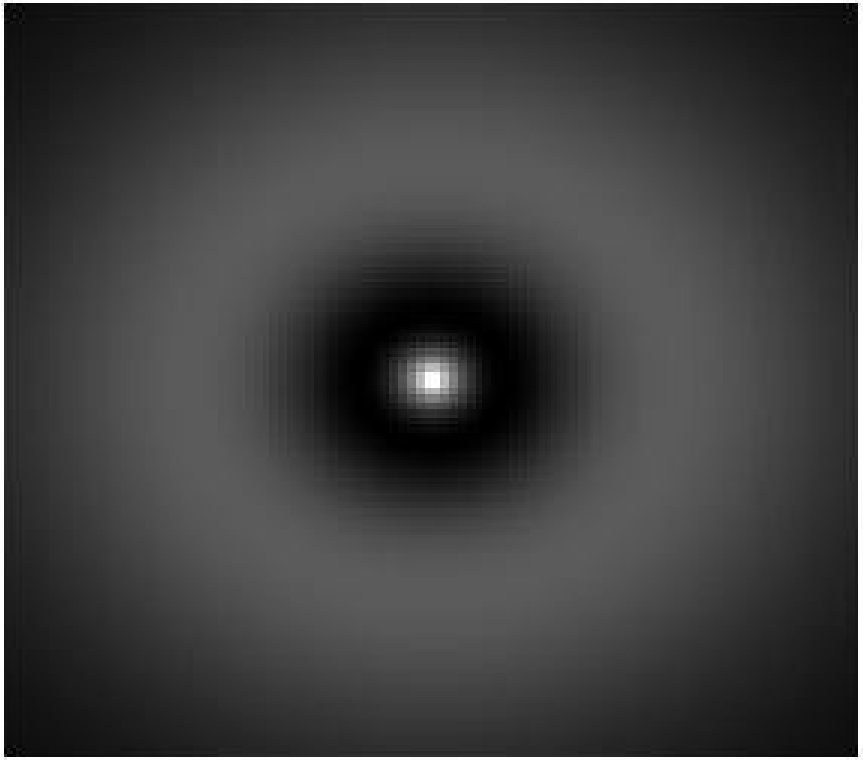

oss-sectional view of the electron probability density for the n = 2, *l* = 0 hydrog
bital. The number of nodes is n – 1 = 1, the number of spherical nodes is
– *l* – 1 = 1, and the number of planar nodes is *l* = 0. Consequently, a 2s orbital
s one spherical node and no planar nodes.